

Claims:

Claim 1. An apparatus for creating a cemented lateral junction system comprising:

- a sleeve;
- a premachined/opening in said sleeve;
- a cover disposed at said opening; and
- a release material disposed at said cover.

Claim 2. An apparatus for creating a cemented lateral junction system as claimed in Claim 1 wherein said release material is on at least a portion of said cover exposed to environment exterior to said sleeve.

Claim 3. An apparatus for creating a cemented lateral junction system as claimed in Claim 1 wherein said release material forms a weak bond with said cover.

Claim 4. An apparatus for creating a cemented lateral junction system as claimed in Claim 3 wherein said material is silicone.

Claim 5. An apparatus for creating a cemented lateral junction system as claimed in Claim 3 wherein said material is an elastomer.

Claim 6. An apparatus for creating a cemented lateral junction system as claimed in Claim 3 wherein said material is an air cured resin.

Claim 7. An apparatus for creating a cemented lateral junction system as claimed in Claim 3 wherein said material is polyurethane.

Claim 8. An apparatus for creating a cemented lateral junction system as claimed in Claim 1 wherein said release material further creates a seal between said sleeve and said cover.

Claim 9. An apparatus for creating a cemented lateral junction system as claimed in Claim 1 wherein said cover and said sleeve further define an intersection therebetween having a hydraulic seal.

Claim 10. An apparatus for creating a cemented lateral junction system as claimed in Claim 9 wherein said hydraulic seal comprises a seal bore on an inside dimension of said sleeve and a seal on an outside dimension of said cover.

Claim 11. An apparatus for creating a cemented lateral junction system as claimed in Claim 10 wherein said seal is an o-ring.

Claim 12. An apparatus for creating a cemented lateral junction system as claimed in Claim 1 wherein said cover is a sleeve.

Claim 13. An apparatus for creating a cemented lateral junction system as claimed in Claim 1 wherein said cover is a lateral diverter.

Claim 14. An apparatus for creating a cemented lateral junction system as claimed in Claim 1 wherein said sleeve is a liner sleeve.

Claim 15. An apparatus for creating a cemented lateral junction system as claimed in Claim 1 wherein said release material is on all of said cover exposed to environment exterior to said sleeve.

Claim 16. A method for constructing a wellbore comprising:
installing a lateral diverter in a lateral junction system;
applying a release material to said lateral diverter;
running foregoing elements in a borehole;
deploying said lateral junction system in a lateral exit window; and
applying a hardenable agent to said lateral junction system.

Claim 17. A method for constructing a wellbore as claimed in Claim 16 wherein said applying is cementing.

Claim 18. A method for constructing a wellbore as claimed in Claim 17 wherein said cementing includes cleaning out.

Claim 19. A method for constructing a wellbore as claimed in Claim 16 wherein said method further comprises allowing said cement to set.

Claim 20. A method for constructing a wellbore as claimed in Claim 16 wherein said method further includes pulling said diverter.

Claim 21. A method for constructing a wellbore as claimed in Claim 20 wherein said diverter is pulled after setting of the cement.

Claim 22. A method for constructing a wellbore as claimed in Claim 20 wherein said pulling includes separating said diverter from said cement by defeating bonding properties of said release material.

Claim 23. A method for constructing a wellbore comprising:
preparing a sleeve with a premachined window, a cover positioned to occlude said window and a release material at at least a portion of said cover exposed to environment through said window, for running in the wellbore;
installing said sleeve in a wellbore; and
applying a hardenable agent to an annulus of said wellbore around said sleeve.

Claim 24. A method for constructing a wellbore as claimed in Claim 23 wherein said method further comprises removing said cover after applying the hardenable agent.

Claim 25. A method for constructing a wellbore as claimed in Claim 23 wherein said method further comprises drilling the hardenable agent through said premachined window.

Claim 26. A method for constructing a wellbore as claimed in Claim 23 wherein said release material covers all of said portion of said cover exposed to environment through said window.

Claim 27. A method for constructing a wellbore as claimed in Claim 23 wherein the hardenable agent is cement.

Claim 28. A method for constructing a wellbore as claimed in Claim 23 wherein said installing includes locating and orienting said sleeve.

Claim 29. A method for constructing a wellbore as claimed in Claim 28 wherein said locating and orienting is accomplished by landing a hook in a hook hanger liner system in a window of said wellbore.